



Keystone Ag Digest



Cooperating with the Pennsylvania Department of Agriculture

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This publication may be found on the Internet at www.nass.usda.gov/pa and click on "Pennsylvania Publications."			

Note to Survey Respondents: Results of many surveys we conduct throughout the year are included in this report! Most survey results are not published individually. **Thank you** for taking the time to complete our surveys!

MILK PRODUCTION

Milk production in Pennsylvania during January 2008 totaled 900 million pounds, unchanged from last January's production of 900 million pounds. The number of milk cows in the state during the month averaged 552,000 head, up 2,000 head from December but 3,000 head more than January 2007. Production per cow averaged 1,630 pounds for the month of January, 10 pounds more than December's estimate of 1,620 pounds, but 10 pounds less than January a year ago. Pennsylvania's milk production for 2007 totaled 10,682 billion pounds, down 60 million pounds or 0.6 percent from 2006. Pennsylvania ranked fifth in milk production for 2007, behind California, Wisconsin, New York, and Idaho. The average number of milk cows during the year was 550,000, which was 4,000 less than the previous year. Production per cow during 2007 totaled 19,422 pounds, compared to 19,390 pounds during 2006.

Milk production in the 23 states surveyed during January 2008 totaled 14.6 billion pounds, up 2.4 percent from production in these same states in January 2007. December unrevised production, at 14.4 billion pounds, was up 2.8 percent from December 2006. Production per cow averaged 1,743 pounds for January, 17 pounds above January 2007. The number of milk cows on farms averaged 8.40 million head, 120,000 head more than January 2007, and 15,000 head more than December 2007. The annual production of milk for the U.S. during 2007 was 186 billion pounds, 2.1 percent above 2006. Revisions to 2006 production decreased the annual total by 2 million pounds. Revised 2007 production was up 3 million pounds from last month's publication. Average milk production per cow in the U.S. for 2007 averaged 20,267 pounds, 316 pounds above 2006. Average annual rate of milk production per cow has increased 17.9 percent from 1998. The average number of milk cows on farms in the U.S. during 2007 was 9.16 million head, up 0.5 percent from 2006. Average number of milk cows was revised up 5,000 head for 2007.

DAIRY PRODUCTS

United States' butter production was 141 million pounds, 2.6 percent above December 2006 and 8.4 percent above November 2007. Total cheese output (excluding cottage cheese) was 843 million pounds, 1.5 percent above December 2006 but 3.9 percent below November 2007. Italian type cheese production totaled 357 million pounds, 0.5 percent above December 2006 and 3.7 percent above November 2007.

American type cheese production totaled 334 million pounds, 1.3 percent below December 2006 but 3.2 percent above November 2007. Frozen products: (comparisons with December 2006) Ice cream, Regular (hard) --- 52.3 million gallons, up 2.3 percent. Ice cream, Lowfat (total) --- 22.7 million gallons, down 3.3 percent. Sherbet (hard) --- 3.40 million gallons, up 21.2 percent. Frozen Yogurt (total) --- 3.36 million gallons, down 17.7 percent.

PRODUCTION OF SELECTED DAIRY PRODUCTS

Products	Dec 2006	Nov 2007	Dec 2007
000 Lbs.			
PENNSYLVANIA			
Butter	7,036	5,729	7,810
Ice Cream	2,065	2,202	2,054
UNITED STATES			
Butter	137,593	130,193	141,123
Cheese:			
American Types.....	338,204	323,611	333,818
Swiss	27,182	25,708	26,837
Brick and Muenster.....	8,505	9,032	9,396
Cream and Neufchatel.....	62,962	68,288	76,636
Mozzarella	281,033	272,775	286,718
Other Italian	74,527	71,566	70,463
Total Italian Types.....	355,560	344,341	357,181
All Other.....	23,759	25,001	24,887
Total	831,116	811,791	843,383
NF Dry Milk, Human	113,567	98,663	107,858
Yogurt, Plain & Flavored.....	253,680	263,988	273,429
000 Gal.			
FROZEN PRODUCTS:			
Ice Cream, Hard	51,144	56,320	52,305
Ice Cream, Lowfat	23,521	24,138	22,740
Ice Cream, Nonfat	772	846	890
Sherbet, Hard	2,808	3,360	3,404
Frozen Yogurt, Total.....	4,080	3,579	3,356
FOR PRODUCTS:			
Ice Cream Mix	27,715	30,371	28,123
Ice Cream Mix, Lowfat.....	14,112	13,760	12,988
Ice Cream Mix, Nonfat.....	483	466	506
Sherbet Mix	2,097	2,078	2,065
Yogurt Mix	2,420	2,169	2,034

MILK COWS & MILK PRODUCTION

Item	Unit	Pennsylvania			23 States		
		Jan 2007	Dec 2007	Jan 2008	Jan 2007	Dec 2007	Jan 2008
Milk Cows.....	Thous.	549	550	552	8,284	8,389	8,404
Milk Per Cow.....	Lbs.	1,640	1,620	1,630	1,726	1,718	1,743
Milk Production	Mil. Lbs.	900	891	900	14,302	14,414	14,648

CROP VALUES

Crop Values includes average prices and value of production for major field crops and many specialty crops. All prices are marketing year average (MYA) prices which do not include allowances or adjustments for commodities under government loan at the end of the marketing year, commodities forfeited to the Commodity Credit Corporation, loan deficiency payments, direct and counter cyclical payments, or disaster payments.

Each State MYA price is based on sales in the months comprising its marketing year, while United States marketing year averages are based on sales during the standard U.S. marketing year for each crop.

United States monthly prices, for all crops in the monthly price estimating program, are computed by weighting monthly State prices by monthly marketings for each State. United States MYA prices for corn, sorghum, oats, barley, wheat, rice, soybeans, peanuts, flaxseed, sunflower, canola (beginning with 2007), upland cotton, dry edible beans, chickpeas (garbanzo beans), dry edible peas, Austrian winter peas, and lentils are computed by weighting U.S. monthly prices by monthly marketings for the U.S. marketing year. The U.S. MYA price for hay is computed similarly,

except prior to 2006 the U.S. marketing year extended over a 14-month period. For all other crops, U.S. MYA prices are computed by weighting State MYA prices by the estimated production in each State.

State and U.S. preliminary 2007 MYA prices for corn, sorghum, oats, barley, wheat, rice, soybeans, flaxseed, sunflower, canola, upland cotton, dry edible beans, chickpeas (garbanzo beans), dry edible peas, Austrian winter peas, lentils, peanuts, and potatoes are based on entire month price data through December 2007 and, except for cotton and peanuts, allowances are made for the portion of the 2007 crop to be marketed during the remainder of each crop's 2007 marketing year. State MYA prices for crops not in the monthly price program are based on annual surveys.

State value of production is computed by multiplying each State price by its production. Value of production for the U.S. is the sum of State values for all States listed for the crop. Value of production estimates relate to the crop year. These estimates should not be confused with cash receipts, which relate to sales during a calendar year irrespective of the year of production.

SUMMARY OF CROP VALUES, 2004-2006

Crop	Price per Bushel			Value of Production		
	2005	2006	2007	2005	2006	2007
	Dollars			(000) Dollars		
<u>CORN FOR GRAIN</u>						
Pennsylvania	2.30	3.54	4.35	269,376	414,605	545,664
United States	2.00	3.04	4.00	22,198,472	32,094,586	52,090,108
<u>WINTER WHEAT</u>						
Pennsylvania	3.50	3.52	6.60	27,405	31,152	59,334
United States	3.32	4.17	6.65	4,954,276	5,383,086	9,484,995
<u>OATS</u>						
Pennsylvania	2.28	2.07	2.50	13,794	14,573	11,200
United States	1.63	1.87	2.50	195,150	181,005	228,613
<u>BARLEY</u>						
Pennsylvania	1.87	1.77	2.90	6,328	6,595	8,891
United States	2.53	2.85	4.10	527,633	498,691	851,682
<u>SOYBEANS</u>						
Pennsylvania	5.60	6.25	9.75	96,432	106,250	167,895
United States	5.66	6.43	10.40	17,269,138	20,415,948	26,752,197
	Price Per Ton - Dollars					
<u>ALL HAY</u> ^{1 2}						
Pennsylvania	134.00	136.00	169.00	461,753	716,375	722,400
United States	98.20	110.00	133.00	12,584,783	13,791,407	16,960,936
	Price Per Pound					
<u>ALL TOBACCO</u> ³						
Pennsylvania	1.399	1.615	1.650	14,973	26,223	28,381
United States	1.642	1.665	1.683	1,059,324	1,210,978	1,310,483
	Price Per Cwt. - Dollars					
<u>SORGHUM FOR GRAIN</u>						
Pennsylvania	4.75	5.86	6.60	532	1,083	621
United States	3.33	5.88	6.95	737,038	885,394	1,950,936
<u>FALL POTATOES</u> ⁴						
Pennsylvania	11.40	10.40	9.30	31,350	28,392	20,460
United States	6.53	6.68	6.61	2,504,612	2,671,119	2,704,113

¹ Baled Hay. ² Estimated marketings of alfalfa and all other hay used weights to calculate all hay price. ³ For States with more than one type of tobacco marketed, the value of production is the sum of the individual types' values. ⁴ 2005 and 2006 Total and US price per cwt is derived from value of sales. 2007 is derived from value of production.

GOAT INVENTORY

Goat data provided in this report are results of the annual goat survey conducted at the beginning of the year. All goat inventories in Pennsylvania on January 1, 2008 totaled 53,000 head excluding angora goats. Milk goats totaled 13,000 head, up 10 percent from January 1 of last year. In comparison with other states, Pennsylvania is now tied for 5th place for having the largest number of milk goats. There were 40,000 meat goats on January 1, 2008, up 5 percent from a year ago. Pennsylvania is currently ranked 13th for the largest number of meat goats in the United States.

All goat inventories in the United States on January 1, 2008, totaled 3.02 million head. Breeding goat inventory totaled 2.50 million head and market goats totaled 520,000 million head. On January 1, 2008, meat and all other goats totaled 2.50 million head, milk goats totaled 305,000 head and angora goats totaled 210,000 head. The 2007 kid crop was 1.94 million head for all goats.

Mohair production in the United States during 2007 was 1.14 million pounds. Goats and kids clipped totaled 185,000 head. Average weight per clip was 6.2 pounds. Mohair price was \$3.78 per pound with a value of 4.31 million dollars

CATTLE INVENTORY

Pennsylvania farmers had 1,610,000 cattle and calves on hand on January 1, 2008, up 10,000 head from the January 1, 2007 level. The Keystone State's calf crop for 2007 was 630,000 up 10,000 head from one year ago. All cows that have calved, at 710,000, was up 10,000 head from last year. Milk cow inventory, at 552,000, is up 2,000 head from January 1, 2007. Beef cows totaled 158,000, up 8,000 head from last year's beef cow inventory. Milk cow replacement heifers 500 pounds and over, at 275,000, is up 5,000 head from last year's number. Beef cow replacement heifers, at 40,000, remained unchanged from last year.

Other heifers 500 pounds and over, at 60,000, was down 5,000 head from January 1, 2007. Steers in the same weight category, at 160,000, remained steady from last year's level. Bulls, at 25,000, were the same as January 1, 2007. All calves under 500 pounds, at 340,000, remained steady from last year.

Primary data used in making cattle estimates for Pennsylvania and the United States were obtained from a sample of about 50,000 agricultural producers in the United States using probability surveys. Information was collected by mail, telephone and personal interview.

UNITED STATES – All cattle and calves in the United States as of January 1, 2008, totaled 96.7 million head, slightly below the 97.0 million on January 1, 2007.

The 2007 calf crop was estimated at 37.4 million head, down slightly from 2006. Calves born during the first half of the year are estimated at 27.2 million, down 1 percent from 2006. All cows and heifers that have calved, at 41.8 million, were down 1 percent from the 42.0 million on January 1, 2007. Milk cows, at 9.22 million, were up 1 percent from January 1, 2007. Beef cows, at 32.6 million, were down 1 percent from January 1, 2007. Milk replacement heifers, at 4.46 million, are up 3 percent. Beef replacement heifers, at 5.67 million, are down 4 percent.

Other class estimates on January 1, 2008 and the change from January 1, 2007, are as follows:

- All heifers 500 pounds and over, 20.0 million, down slightly.
- Other heifers, 9.88 million, down slightly.
- Steers weighing 500 pounds and over, 17.3 million, up slightly.
- Bulls weighing 500 pounds and over, 2.21 million, down slightly.

- Calves under 500 pounds, 15.4 million, down 1 percent.
- Cattle and calves on feed for slaughter in all feedlots, 14.3 million, up slightly.
- The combined total of calves under 500 pounds, and other heifers and steers over 500 pounds outside of feedlots, 28.2 million, down slightly.

SHEEP INVENTORY

All sheep and lamb inventory in Pennsylvania on January 1, 2008 totaled 98,000, down 9 percent from the previous year. Total inventory included 66,000 breeding ewes one year old and older, down 19 percent from January 1, 2007. There were 11,000 replacement lambs and 5,000 rams one year old and older, no change for either inventory over the previous year. Market sheep and lambs totaled 16,000 on January 1, 2008, up 45 percent from last year. Of this total, 13,000 were market lambs and 3,000 were market sheep. The 2007 lamb crop of 84,000 head was up from 2006. The 2007 lambing rate was 104 lambs per 100 ewes one year old and older on hand January 1, 2007, down from 126 lambs per 100 ewes the previous year.

All sheep and lamb inventory in the United States on January 1, 2008, totaled 6.06 million head, down 2 percent from 2007. Breeding sheep inventory decreased to 4.51 million head on January 1, 2008, a 2 percent drop from 4.61 million head on January 1, 2007. Ewes one year old and older, at 3.62 million head, were 2 percent below last year. Market sheep and lambs on January 1, 2008 totaled 1.56 million head, which was consistent with the inventory taken on January 1, 2007. Market lambs comprised 95 percent of the total marketings. Of the number of market lambs, 24 percent were lambs under 65 pounds, 14 percent were 65 - 84 pounds, 26 percent 85 - 105 pounds, and 36 percent were over 105 pounds. Market sheep comprised the remaining 5 percent of total marketings. The 2007 lamb crop of 4.05 million head was down slightly from 2006. The 2007 lambing rate was 111 lambs per 100 ewes one year old and older on January 1, 2007, down 1 lamb from 2006.

Shorn wool production in the United States during 2007 was 34.5 million pounds, down 4 percent from 2006. Sheep and lambs shorn totaled 4.71 million head, down 3 percent from 2006. The average price paid for wool sold in 2007 was \$0.88 per pound for a total value of \$30.3 million dollars, up 23 percent from \$24.5 million dollars in 2006.

CATTLE & CALVES: JANUARY 1, 2007-2008

Class	Pennsylvania			United States		
	2007	2008	2008/2007	2007	2008	2008/2007
	(000) Head		Percent	(000) Head		Percent
Cattle & Calves.....	1,600	1,610	101	97,002.9	96,668.6	100
All Cows That Have Calved.....	700	710	101	42,023.2	41,776.5	99
Beef Cows	150	158	105	32,891.2	32,552.5	99
Milk Cows	550	552	100	9,132.0	9,224.0	101
Heifers 500 Pounds & Over.....						
For Beef Cow Replacement	40	40	100	5,877.4	5,669.6	96
For Milk Cow Replacement	270	275	102	4,309.9	4,457.0	103
Other Heifers	65	60	92	9,898.8	9,876.1	100
Steers 500 Pounds & Over.....	160	160	100	17,222.0	17,304.7	100
Bulls 500 Pounds & Over	25	25	100	2,215.4	2,207.2	100
Calves Under 500 Pounds	340	340	100	15,456.2	15,377.5	99
Calf Crop	630	-	-	37,360.7	-	-
Cattle & Calves On Feed.....	75	75	100	14,268.7	14,316.7	100



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FARMS AND LAND IN FARMS

The number of farms in the Commonwealth in 2007 is estimated at 58,000, down 200 operations from 2006. Land in farms totaled 7,650,000 acres, unchanged from last year. The average farm size was 132 acres, up one acre from the previous year.

The number of farms in the United States in 2007 is estimated at 2.08 million, 0.6 percent fewer than in 2006. Total land in farms, at 930.9 million acres, decreased 1.5 million acres, or 0.16 percent, from 2006. The average farm size was 449 acres during 2007, an increase of three acre from the previous year. The decline in the number of farms and land in farms reflects a continuing consolidation in farming operations and diversion of agricultural land to nonagricultural uses.

The number of operations in Pennsylvania with cattle totaled 27,000 during 2007, unchanged from 2006. Beef cow operations totaled 12,000 unchanged from 2006. Milk cow operations totaled 8,400 down 3 percent from 2006. The number of operations with hogs 3,300, an increase of 100 operations from 2006. The number of operations with sheep at 3,800, unchanged from 2006. The number of operations with all goats is 4,200, with an increase of 8 percent, from the 3,900 in 2006.

Nationally, the number of operations with cattle totaled 967,440 during 2007, down slightly from 2006. Beef cow operations in 2007 were down 1 percent from 2006. Milk cow operations were 5 percent below last year. The number of operations with hogs totaled 65,640 during 2007, down slightly from 2006. The number of operations with sheep totaled 70,590 during 2007, up 2 percent from 2006. The number of operations with goats totaled 108,130 during 2007, up 4 percent from 2006.

NUMBER OF FARMS & LAND IN FARMS ¹

Year	Number of Farms	Land in Farms	Avg Size of Farm
	<i>Number</i>	<i>(000) Acres</i>	<i>Acres</i>
PENNSYLVANIA			
2006	58,200	7,650	131
2007	58,000	7,650	132
UNITED STATES			
2006	2,088,790	932,430	446
2007	2,075,510	930,920	449

¹ A farm is any establishment from which \$1,000 or more of agricultural products were sold or would normally be sold during the year.

NUMBER OF LIVESTOCK OPERATIONS:¹ 2006 - 2007

Specie	Pennsylvania		United States	
	2006	2007	2006	2007
	<i>Number of operations</i>			
Cattle & Calves	27,000	27,000	971,400	967,440
Beef Cows ²	12,000	12,000	762,880	757,900
Milk Cows ²	8,700	8,400	74,980	71,510
Hogs & Pigs	3,200	3,300	65,940	65,640
Sheep & Lambs	3,800	3,800	69,470	70,590
All Goats	3,900	4,200	104,170	108,130

¹ An operation is any place having one or more head of a specie at any time during the year. ² Included in operations with cattle.

Who uses Census of Agriculture data?

Census data is used by all those who serve farmers and rural communities – federal, state and local governments, agribusinesses, trade associations and many others. For instance, companies and cooperatives use the information to determine the locations of facilities that will service agricultural producers. Community planners use the information to target needed services to rural residents. USDA uses the information to ensure that local service centers are staffed at appropriate levels. Legislators use the information when shaping farm policies and programs. And, of course, farmers and ranchers can use Census data to help make informed decisions about the future of their own operations.

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